



E-LEARNING TECHNOLOGY IN DEVELOPING SKILLS FOR HE STUDENTS

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Digital Transformation



"Digital transformation" refers to the integration of computer-based systems into the environment, operations, and output of an organization. It is the process of using digital technologies to develop new business practices, corporate cultures, and customer experiences, or to modify existing ones, to meet changing business and market requirements (Pratt, 2021)



Digital Transformation



- These days, digital transformation is the technique usage to deliver services to the targeted users in a quicker, easier way on the one hand, and on the other hand, it aids in accessing the services that save time and effort on the other hand (Omanuna, 2022)



Digital Literacy



- Literacy is the ability to recognize, understand, interpret, generate, communicate, and compute by using printed and written materials in a variety of situations (Montoya, 2018).
- Digital literacy is the level of awareness, ability, and attitude to use digital tools and facilities effectively to search, access, manage, participate, assess, analyse, and evaluate digital resources (McGuinness and Fulton , 2019).



Digital Literacy in Education (E-learning)



- Digital literacy covers different categories, for example, E-learning and E-learning literacy (or E-learning skills). It can be measured by the stage in which an individual is able to engage in E-learning activities. E-learning literacy also covers online learning abilities that are related to skills, knowledge and attitudes (Edutech Wiki, 2019).
- E-learning as a digital education can provide students with required information, offers a shared communication platform and helps support a learner's knowledge and experience by building responsibilities and engaging learners into different activities.



E-learning Services for HE Students

- Many recent studies have explored the use of E-learning environments for teaching and improving the skills of the university students in different countries.
- Also, there are other studies that have highlighted the importance of improving the skills set of HE students, so that graduates are able to meet the expectations of their future employers.
- For example, in Oman, most studies that investigated the relationship between education, employability, and skills have emphasised the importance of enhancing the skills of HE students, because the skills of most graduates do not fulfil market expectations.



Example : Problem Statement (PhD Thesis)

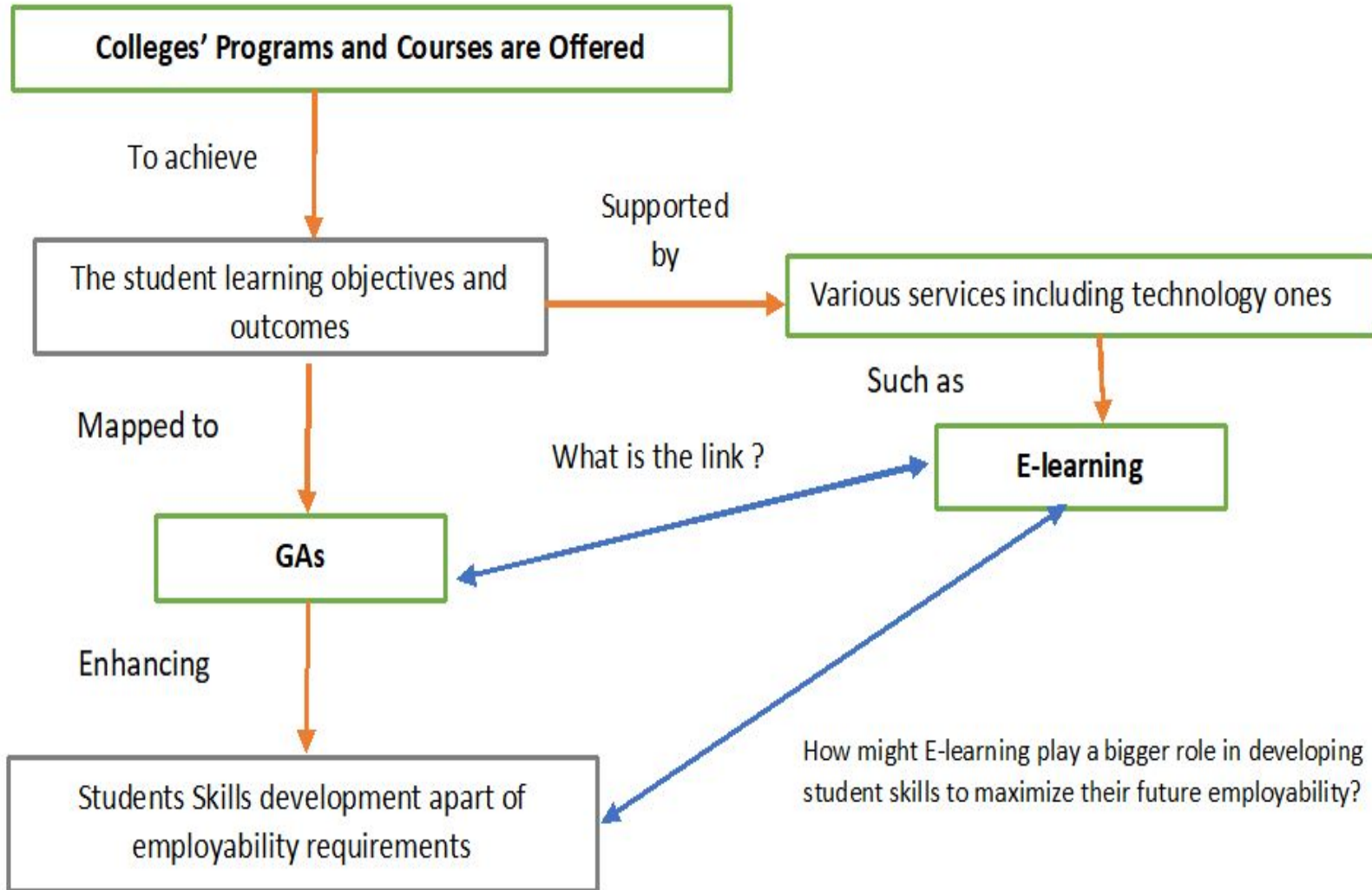
Title : *E-learning Influence In Developing Future Employment Skills For Undergraduates In Oman*

The identified problem that Oman faces a lack of skills among HEI students and graduates.

As a result,

- set of skills of most graduates do not fulfil or do not meet the employers' expectations.
- so, there are many Omani graduates who are still a job seeker.

Variables considered about the identified problem, with this in mind, E-learning should be incorporated into the college education system to strengthen the skills set of undergraduate students:





Research Methodology



- The research employed a multimethod approach via qualitative approach – semi structured interviews and the quantitative approach – online surveys
- Data Source: combined data from interviews (16 stakeholders involved: fresh graduates, employers, college administration and policy and decision makers) and from surveys (five HE institutions with total of 545 responders: academic members, students and E-learning coordinators and technical support staff, are involved).



E-learning in Supporting Skills

Q: How can E-learning improve skills such as :

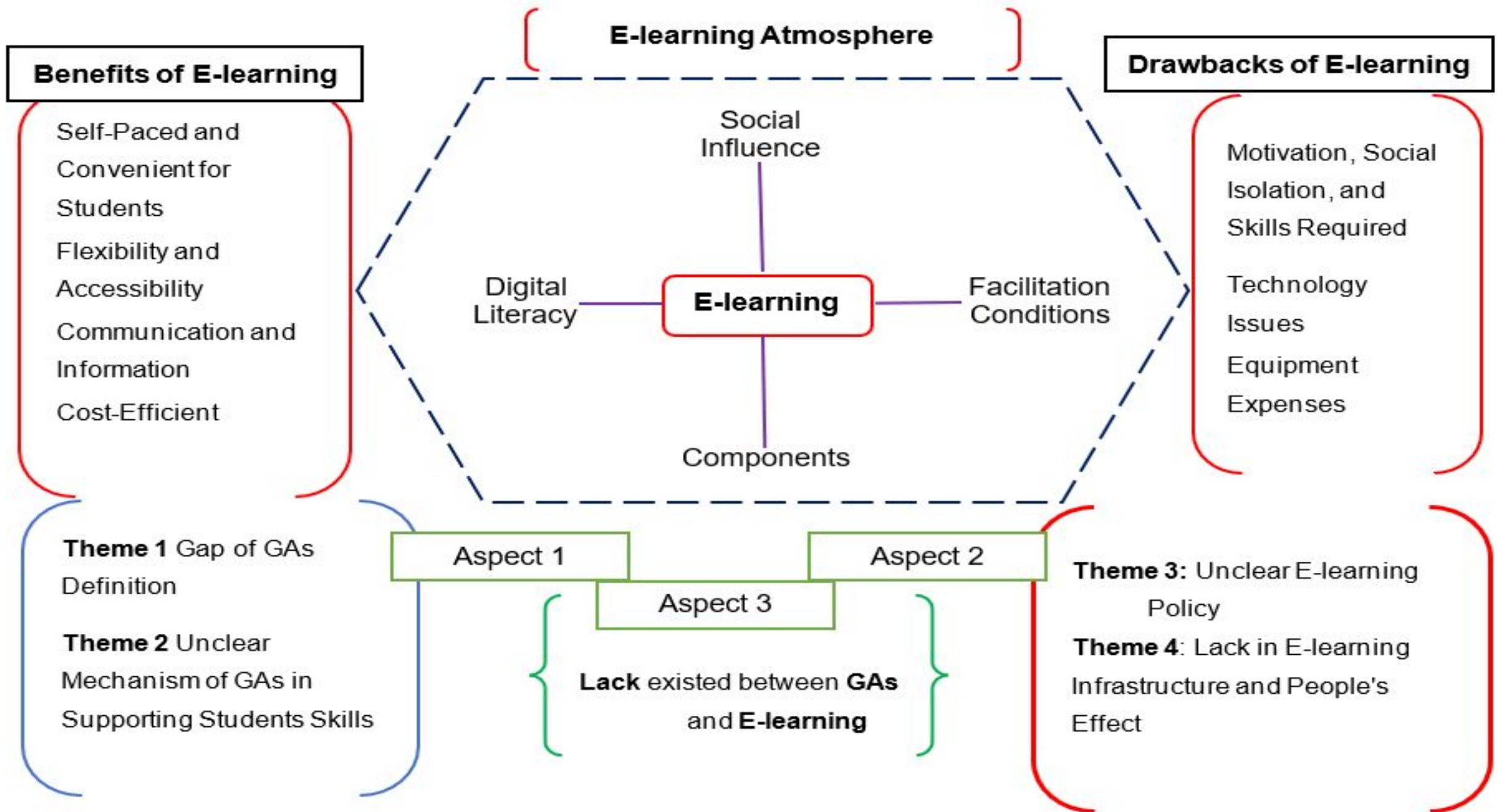
- Communication
- Time management
- Teamwork
- Computing skills
- English writing
- Work under pressure ?



Key Findings



- The colleges offer many and different activities to promote student skill development, however there is a lack of students' employable skills.
- A lack in GAs awareness, understanding and mechanism are highlighted.
- The investigation into the use of E-learning in the college education system showed several positive aspects, but there is a need to optimize the E-learning portal to meet user expectations in different terms including using it in developing the students' skills.





Conclusion



- Overall, although E-learning is bound to play a major role in future skills training, there is a need for all stakeholders involved to agree on a shared approach that supports the professional development of college graduates in line with labour market needs.



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Thank You

Q&A

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